

CLUTCH INITIALIZE LEARNING

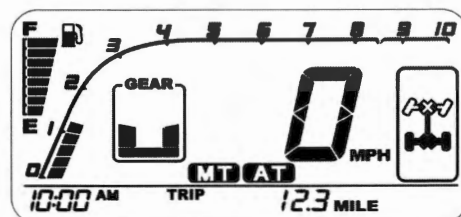
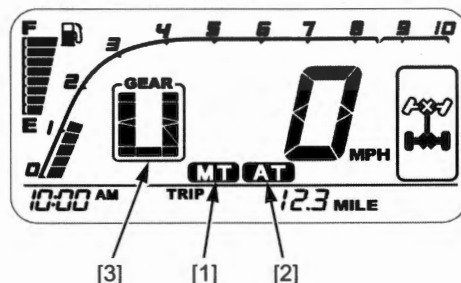
NOTE:

- If the PCM and/or clutch assembly are replaced, perform this procedure.
- Before starting this procedure, check the following:
 - PGM-FI system and DCT system have no DTC.
 - Engine idle speed is normal.
 - Sub-transmission is in "P" (parking) and cooling fan stops.

1. Warm up the engine to the normal operating temperature (engine oil temperature: 50 – 110°C/ 122 – 230°F) and stop it.

NOTE:

- If the PCM is replaced with a new one, when the ignition switch is turned on the MT indicator [1] and AT indicator [2] will be displayed to indicate that the clutch initialization learning procedure is necessary.
- If the large "U" (extremely low oil temperature indicator), or small "U" (low oil temperature indicator) is displayed on the gear position indicator [3], the engine must be warmed before proceeding.



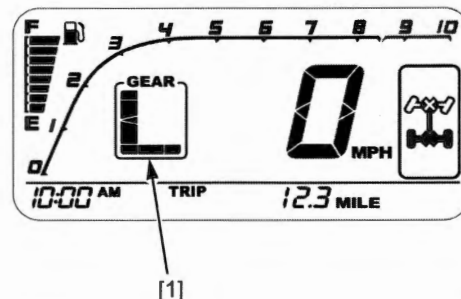
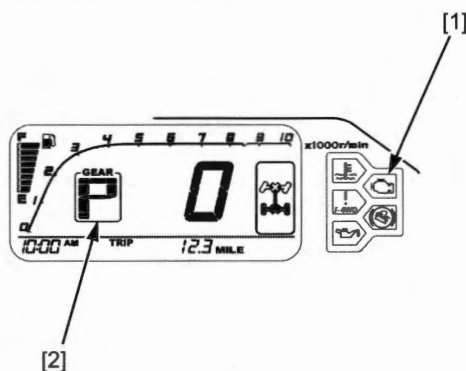
2. Turn the ignition switch ON (I). The MIL [1] will come on.

Wait until the MIL goes off and the gear position indicator [2] displays "P".

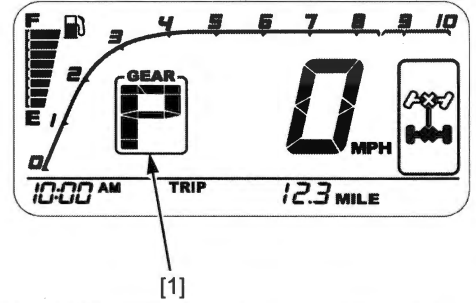
NOTE:

- Do not turn the ignition switch START (II). If the starter motor is running, the learning procedure will be canceled.

3. Depress the accelerator pedal fully.
4. Release the accelerator pedal.
5. Depress the accelerator pedal fully.
6. Release the accelerator pedal.
7. Depress the accelerator pedal fully and hold it.
8. Move the shift select lever to "L" (low range) position. Check that the gear position indicator [1] displays "L".



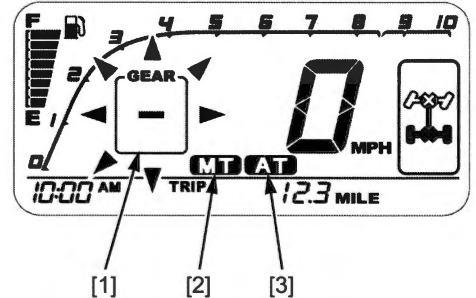
9. Move the shift select lever to "P" (parking) position. Check that the gear position indicator [1] displays "P".
10. Move the shift select lever to "L" (low range) position. Check that the gear position indicator displays "L".
11. Move the shift select lever to "P" (parking) position. Check that the gear position indicator displays "P".



12. Release the accelerator pedal. Check that the "-" is displayed on the gear position indicator [1] and blinks at interval of 2 seconds, and the MT indicator [2] and AT indicator [3] are displayed.

NOTE:

- The PCM is ready to clutch initialize learning when the "-" is displayed and starts blinking at interval of 2 seconds.
- The PCM does not accept to start clutch initialize learning if the gear position indicator continues to display "P". Perform the initialize learning procedures from step 1 again.



13. Start the engine and let it idle for approximately 60 seconds.

The clutch Initialize Learning is successful when the "-" on the gear position indicator [1], MT indicator [2] and AT indicator [3] disappear.

NOTE:

- If the "-" starts blinking at interval of 0.5 second, the clutch initialize learning is unsuccessful. Perform the initialize learning procedure from step 1 again.
- If the large "U" (extremely low oil temperature) or small "U" (low oil temperature) is displayed on the gear position indicator, warm up the engine until the "U" on the gear position indicator goes off. Stop the engine and perform the procedures from step 2 again.

14. Stop the engine.

15. Turn the ignition switch ON (I). Check that the gear position indicator displays "P" and the MT indicator or AT indicator comes on.

NOTE:

- If both MT indicator and AT indicator are displayed, the clutch initialize learning is not completed.

